CLAIMS

What is claimed is:

1. ~~A method of notifying clients of a change in a system comprising:~~

a client requesting notification of the change in the system;

detecting the change in the system; and

notifying the client requesting notification that the change in the system occurred.

2. The method of claim 1 further comprising:

maintaining a list of requests for notification.

3. The method of claim 1 further comprising:

the client terminating a request for notification.

4. The method of claim 2 further comprising:

the client terminating a request for notification;

and removing a request corresponding to the client from the list of requests for notification.

5. The method of claim 1 wherein:

the change in the system is connection of a device.

6. The method of claim 1 wherein:

the change in the system is disconnection of a device.

7. The method of claim 1 wherein

said requesting includes the client supplying a callback routine; and

said notifying includes executing the callback routine.

8. A subsystem for notifying clients of a change in a system comprising:

means for a client to request notification of the change in the system;

means for detecting the change in the system; and

means for notifying the client requesting notification that the change in the system occurred.

9. The subsystem of claim 8 further comprising:

means for maintaining a list of requests for notification.

10. The subsystem of claim 9 further comprising:

means for the client to terminate a request for notification; and

means for removing a request corresponding to the client from the list of requests for notification.

11. The subsystem of claim 10 further comprising:

means for communication to the client; and

wherein:

the client supplies the means for communication; and

the means for communication is utilized by the means for notifying.

12. A machine-readable medium containing a plurality of executable instructions, which when executed on a processor cause said processor to perform a method of notifying clients of a change in a system, the method comprising:

a client requesting notification of the change in the system;

detecting the change in the system; and

notifying the client requesting notification that the change in the system occurred.

13. The machine-readable medium of claim 12 wherein the method further comprises:

maintaining a list of requests for notification.

14. The machine-readable medium of claim 13 wherein the method further comprises:

the client terminating a request for notification;

and removing a request corresponding to the client from the list of requests for notification.

15. The machine-readable medium of claim 14 wherein:

said requesting includes the client supplying a callback routine; and

said notifying includes executing the callback routine.

16. A system comprising:

a processor;

a memory;

a bus, the bus coupled to the processor, the bus coupled to the memory; and

the processor processing a request by a client for notification of a change in the system, the processor detecting the change in the system, and the processor notifying the client that the change in the system has occurred.

17. The system of claim 16 wherein:

the processor maintains a list of requests for notification.

18. The system of claim 17 wherein:

the processor stores the list of requests in memory.

19. The system of claim 17 wherein:

the processor processes the client's termination of a request for notification by removing a request corresponding to the client from the list of requests for notification.

20. The system of claim 19 wherein:

the processor receives a callback routine from the client when the client requests notification and the processor notifies the client by executing the callback routine.

21. A method of notifying clients of a change in a USB comprising:

a first client requesting notification of a first change in the USB;

detecting the first change in the USB; and

notifying the first client requesting notification that the first change in the USB occurred.

22. The method of claim 21 wherein:

the change is connection of a device to the USB;

and further comprising:

finding a driver suitable for use with the device.

23. The method of claim 21 wherein:

the change is disconnection of a device from the USB;

and further comprising:

deactivating a driver corresponding to the device.

24. The method of claim 21 further comprising:

a second client requesting notification of a second change in the USB;

detecting the second change in the USB; and

notifying the second client requesting notification that the second change in the USB occurred.

25. The method of claim 24 wherein:

a change in the USB constitutes a first change and constitutes a second change.

26. The method of claim 24 wherein:

a change in the USB that constitutes a first change does not constitute a second change.